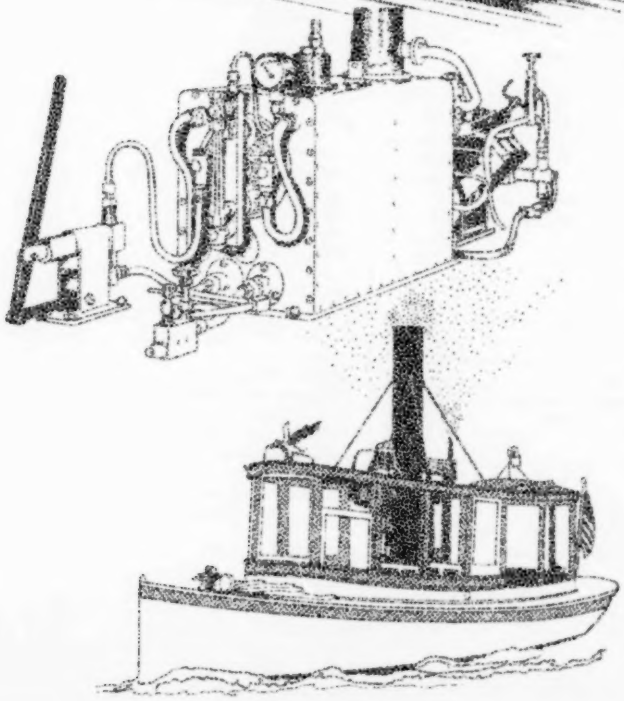

LIVE STEAM 1982 VOLUME SIXTEEN INDEX

Published by
Live Steam Incorporated
Post Office Box 629
Traverse City, MI 49685

COPYRIGHT© 1982 LIVE STEAM Magazine. All rights reserved. This magazine or parts thereof may not be reproduced in any form without permission in writing from the publisher. Printed in U.S.A. All material is cross-indexed according to title, subject, author and photo in the following manner:

SUBJECT
Title
AUTHOR
Photo
Boat Names

A

Adams, Ed (2-6-0) Sep. 54
ADAMS, JIM
Mountain Railroading in 15" Gauge May 41
Aeschliman, "Doc" Sep. 11
Aiken Back Central Railroad (2-6-0) May 11
ALBERTA MODEL ENGINEERING SOCIETY
New Club Forming Jun. 58
Album Mar. 66, Nov. 38
Alexander, John ("Tich") Oct. 52
ALKIRE, I. DOUGLAS
Turnout Design Considerations Apr. 20
All Aboard for 'Possum Flats Jan. 16
ALLABACK, WILBUR
All Aboard for 'Possum Flats Jan. 16
Allan, Bob Jul. 53
Allen, Ernie (2-4-2 "Columbia") Jul. 56
Allen, Gene (Mogul) Mar. 57
Allen, Paul Nov. 51
AMMEN, C. W.
Designing for Sand Casting Oct. 16
Anderson, Bob Aug. 58
Anderson, Dennis Jan. 27
Anderson, Don Jun. 58
Anderson, Emmett (Minneapolis) May 26
Another Use for Moriya Sep. 48
ANTIQUE EQUIPMENT CLUB
New Officers Aug. 64
Arnold, Dick (1" Pacific) Jul. 55
Auckin, Bob Feb. 53

B

Baase, Bob Aug. 56
BAGLEY, R. B. "DICK"
Freight Car Trucks Aug. 18
A Little Helpful Hint Nov. 24
Locomotive Turret Oct. 20
Mechanical Lubricator Sep. 18
Oil Firing a Miniature Locomotive in 1½" Scale Jan. 30
Baker, Jack ("Jupiter") Mar. 55
Baker, Ollie (Santa Fe GP-40) Aug. 60
Barnes, Charles Jun. 59
BASIL, ALICE
Pacific Northwest Live Steamers Jun. 26
Bay, William "Bill" Sep. 13
Beal, Mr. ("Speedy") Mar. 62
Beam Apr. 16
Beckemeyer, George Jun. 52
Becker, Harold (and son) Aug. 56
Beckman, Ken Jun. 55
Beckman, Ron (0-4-2) Jun. 55
Bedell, Bill (GP-20) Jan. 55, Oct. 52
Bedell, Craig Oct. 52
Bedford's Miniature Rally Dec. 51
Beebe, Walter
(Deluxe Passenger Cars) Jun. 26
Beginners Column
(See: McLEAN, FRANK A.)
BELL
Build a ¾" Scale Heisler Apr. 46
Belmore, Margaret Nov. 55
Belts and Cleats
(See: LIND, LEON P.)
Bennett, Dennis
(BN F-3 Electric Diesel) Aug. 58
Bennett, Jim (4-2-0 "Experiment," "Brother Jonathan") Aug. 58, 60
Big Lady Apr. 12, May 48, Jun. 22, Jul. 26, Aug. 32, Sep. 34, Oct. 14
Birch, Mrs. Frank Sep. 53
Birkhimer, Fred (0-6-0) May 56
Bissett, Tom (2-8-2) Nov. 53
BLACK, W. MARSHALL
A Treasure from England Feb. 10
Blecha, Larry (Case) Jun. 55
Blom, Mr. (4-6-0) Mar. 63
Bohn, Fred (4-4-0) Apr. 58
BOILERS
A Firebox for the Briggs-Type Boiler Jul. 40
The Return Flue Boiler Jun. 48, 49
Van Dort Boiler Mar. 46, 47
Bolton, Jim Nov. 50
Bonham, Jim Sep. 59
BOOK REVIEW
"LBSC"–His Life and Locomotives, B. Hollingsworth Oct. 56
The Steam Launch, Richard Mitchell Dec. 54
Boon, E. R. (Burrell) Dec. 51
Bosse, Bill (Shay) Feb. 48
Bowdish, Robert (Climax) Sep. 58
Box End Allen Wrenches Feb. 35
Boysens, Dutch Jun. 53
Brananman, Charlie Jan. 57
Brananman, Meredith Jan. 57
Branch, Cecil (0-4-0T) Jan. 52
BRANDAU, KLAUS
Railroading Around Austria Aug. 50
Photo Aug. 50
Brandau, Oliver Aug. 50
Bresee, P. J.
(Lionel "0" gauge 402) Mar. 57
Briggs, Tom (GE) Sep. 58
Britain's Premier Midland's Miniature Meet Attains Perfection Oct. 53
BRITISH COLUMBIA SOCIETY OF MODEL ENGINEERS Jun. 58
BROCKARDT, FRANK G.
Lathe Cutoff Tool Apr. 23
Brooks, Howard Mar. 55
Brown, Lorin Jun. 59
Browning, John
(Merry-go-Round) Apr. 57
Build a ¾" Scale Heisler Jan. 35, Feb. 22, Mar. 34, Apr. 46, May 37, Jun. 32, Jul. 32, Aug. 35, Sep. 27
Building A Live Steam Railroad Like They Used To Build Barns Nov. 16
Building the Porter Mogul Mar. 10, Apr. 30, May 43
Building the Weaver Launch Engine Jun. 10, Jul. 16, Aug. 24
Bullock, Louis (4-4-2) Apr. 58
Burke, Stoney Jan. 56
Burkhardt, Rolf (Mallet) Jan. 61, 62
BURKY, BILL
The Poor Boy's Boring Head Oct. 38
BURNERS
Oil Firing a Miniature Locomotive in 1½" Scale Jan. 30
Burton, George (Alco E-50) Jun. 26
Butcher, A. R. (Burrell) Dec. 50

C

CAB
Build a ¾" Scale Heisler May 37, Jun. 32
California Delta Steamboat Meet 1981 Jan. 26
CALLIOPE
Disney Steam Calliope May 25
Campbell, John Mar. 55
Carlson, Joe
(South Shore Steeple Cab) Sep. 59
Caron, Mr. (Decauville) Jan. 59
CARRYING CASE
Build a ¾" Scale Heisler Aug. 35
Cassady, John (4-4-2) Jan. 16-19
CASTINGS
Designing for Sand Casting Oct. 16
Filling and Painting Castings Oct. 41
CENTRAL ONTARIO ASSOCIATION LIVE STEAMERS
Golden Spike Ceremony Jun. 56
Chermark, Charles (4-4-0) Apr. 58
CHESAPEAKE AND ALLEGHENY
A Tracksite in Baltimore Oct. 56
CINCINNATI CINDER SNIFFERS
Memorial Day Run Feb. 48
Cirket, Ken (Stirling Single) Dec. 51
Cleveland, Bill ("Invicta") Feb. 48
Clothier, Bill (Shay) Jul. 52
Coast Guard's Live Steam Picnic, The Aug. 46
Colby, Norm Jul. 54
Colonna, Ron (Consolidation) Jul. 55
COMMUNITY SERVICE
All Aboard for 'Possum Flats Jan. 16
Concept of Ratio Jul. 30
Conroy, Dave
(Cretor's Popcorn Engine) Nov. 54
Cooper, Kemett Sep. 57
Copeland, Syd
(Grand River Railway Electric) Jul. 52
COPESTAKE, DR. G. G.
Tvaikonis Nov. 26
Cougoureux, Mr. ("La Coquette") Jan. 59
Couseau, Dick (0-4-0) Jul. 60
Cozzens, David Nov. 19
Crawford, Norman (Mogul) May 54, 55
Crawley, John Dec. 50
Cullivan, Frank (2-6-0) Jun. 54
Photo May 55
Photo Jun. 55
CUMMINGS, C. A.
Steam Automobile Club of America Aug. 56
Cutshall, Alice Jan. 57
Cutshall, Jerry Jan. 57
Czetneky, Ernie Jun. 56

D

DARLING, O. C. "CHAS"
Machine Work as a Hobby Feb. 26
Darling, Ted Nov. 18
Darling, Todd Nov. 17
Dawson, Ray Nov. 51
Decho, Darcy Aug. 58
Decho, Russ (2-8-0) Aug. 58
Derbyshire, Charles F. (Obituary) Feb. 51
Designing for Sand Casting Oct. 16
Dessert, Bill *(DoDo)* Mar. 25
Photo Mar. 26
Diemer, Doug (Reno) May 10
Discovery at East Broad Top, A Sep. 46
Duncan, Dale Jan. 57
DURKEE, DWIGHT, Jr.
IBLS Secretary's Report Mar. 60
Photo Mar. 57, 58
Duveneck, Betty and Fran
(1900 Locomobile) Oct. 34

E

ECCENTRICS
Liberty Ship Jan. 47
Edwards, Jack (0-4-2 "Bella") Jul. 57
Ekstam, Harold Feb. 48
Elder, Cheryl Jan. 55
Ellis, Art (0-6-0T) Jun. 56

Engine House, The
(See: ROLLINSON, DAVID C.)
Engine Showcase, The
(See: VERBURG, ELMER)
England's Miniature Meet
Grows Even Better Apr. 56
England's Overtype Steam
Road Wagons Feb. 46
Eppich, Carl Mar. 57
ERGISH, IVAN
Inland Empire Live Steamers Jun. 52
Photo Jun. 52
Essex County Geriatric Center
Power House, The May 20
EVANS, RICHARD E.
Sintered Carbide Tools in the
Small Shop Nov. 21
Photo Nov. 54

F

Fair, Charles (Diesel Switcher) May 57
Fee, Eddie Mar. 51
FEED WATER PIPING
Build a ¾" Scale Heisler Jul. 33
Filling and Painting Castings Oct. 41
FINGER LAKES LIVE STEAMERS
Spring 1981 Apr. 58
Fink, Bob (Diesel) Jan. 55
FINK, DAN
A Discovery at East Broad Top Sep. 46
Finger Lakes Live Steamers
Spring 1981 Meet Apr. 58
Firebox for the Briggs-Type
Boiler, A Jul. 40
FITT, CHRIS
Great Lakes Live Steamers'
Golden Spike Ceremony Sep. 52
Photo Sep. 53
Fitt, Doris Sep. 52
FITT, WILLIAM C.
Building the Porter Mogul
Part I Mar. 10
Part II Apr. 30
Part III May 43
From the Cupola Aug. 30
Tri-State Notch Completed in
Record Time! Nov. 50
Photo Mar. 11
Photo Sep. 52
Fleming, Ken (Fowler) Dec. 50
Fleming, Robin Dec. 50
FLORIDA FELLOWSHIP OF
MODEL ENGINEERS
First Meeting Feb. 50
FLORIDA LIVE STEAMERS
1981 Spring Meet Jan. 54
1982 Winter Meet Nov. 52
Plan Annual Winter Meet Dec. 54
Foord, Maurice Jul. 57
Fortner, Ken Jul. 53
Foster, George Jul. 52
Frantz, Warren (Obituary) Sep. 63
("Tom Thumb") Jul. 55
Freight Car Trucks Aug. 18

G

Galla, Deanna Sep. 13
Garcia, Chris (Mamod) Oct. 45
Gardie, Irene Mar. 57
GARLOCK, HUGH
Lady Helen Aug. 22
GAS ENGINES
Belts and Cleats Jan. 40
Second Annual Antique Steam and Gas
Show at the Georgia Agrirama Jan. 52
Gerling, Joe (4-8-4) Jun. 27
Giddon, Priscilla May 55
Giles, Al Mar. 25
Gillette, Ivan (2-6-0) May 56
Gillies, Bob (0-4-0) Sep. 53
Gish, Bryant May 61
Gish, Gail (4-6-0) May 61
Goff, Bob Nov. 52
GOLDEN GATE LIVE STEAMERS
Fall Meet Sep. 54
GOLDEN TRIANGLE MODEL
ENGINEERS
Fourth Ontario Model Live
Steamers' Show Jul. 52
GOLETA VALLEY RAILROAD CLUB
25th Anniversary Run Mar. 56
Goodman, Dennis Sep. 52
GOOLSBY, ALVIN DALE
Rotating Piston Steam Engine Jun. 42
Gore, Gordon Sep. 52
Gortsema, Andy
(Portable Steam Power Plant) Jan. 40
GOVERNORS
Belts and Cleats Jul. 48, Aug. 44,
Sep. 44, Nov. 46, Dec. 42
Grant, Ed (Caboose) Jun. 52
Grant, John (Consolidation) Nov. 32
Graves, Mary Jan. 57
GREAT LAKES LIVE STEAMERS
Golden Spike Ceremony Sep. 52
New Officers Feb. 50
GREAVES, CHRISTOPHER
The S. L. Calliope Oct. 10
Photo Oct. 10, 11
Green, Ted (Case) Jun. 53
Greene, Gerry Sep. 11
Grissop, Tom Jul. 52
Griswold, Eric Jul. 52
Group Locomotive Building Nov. 32
Grove, John Jan. 55
Gumz, David (2-6-6T) Sep. 54
Guy, Lewis Mar. 57

H

Haar, Paul (0-4-2T) May 57
(0-4-0 NG) Aug. 59
Hadden, Gary *(My Way)* Jun. 20, 21
Haines, Jeff Sep. 57
Haines, John (4-6-0) Sep. 57
Hair-raising Tale, A Apr. 29
Hale, Carol Sep. 11
Hale, Peter (0-6-0) Jun. 56
Hamlin, Steve Nov. 18
HANDRAILS
Build a ¾" Scale Heisler Apr. 46
Hanson, Fred (Pacific) Aug. 58, Sep. 58, 60
Harper, William H. (Obituary) Jul. 61
Harris, Bill (Shay) Sep. 55
HARRIS, JACK
(Case Steam Traction Engine) May 54
Midway USA Live Steamers May 54
Photo May 55
HARVEY, HARRY
Pacific Northwest Live Steamers Jun. 26
(B & O "Grasshopper")
Hawkins, Ernest (2-4-1) Dec. 51
Photo Dec. 50
HAYSLIP, JOHN
Shop Talk Mar. 66
HEADLIGHT
Build a ¾" Scale Heisler Feb. 22
Hedl, Victor (Pacific) May 57
Heisler
(See: HIRAOKA, KOZO)
Henning, Charles (Pacific) Sep. 55
Henningsen, Carsten
(2-8-0 "Cyclops") Sep. 55
HENRY, KIM
The Second Annual Steam and Gas
Show at Georgia Agrirama Jan. 52
Herder, Harry (Diesel) Sep. 60
HESS, JUSTIN H.
Big Lady (Translator)
(See: VON GUMPERT, DR. ERICH)
Hibler, Russ *(Litha)* Mar. 26
Hick, Richard Apr. 57
High Schooler's Energy
Efficiency Research Mar. 51
Hildebrant, William
("Tom Thumb") May 57
HILL, TOM A.
Florida Live Steamers Jan. 54
GP-40 Jan. 55
HIRAOKA, KOZO
Build a ¾" Scale Heisler
Part 28 - Smokebox
Saddle and Stack Jan. 35
Part 29 - Smokebox Parts Feb. 22
Part 30 - Steam and
Oil Piping Mar. 34
Part 31 - Running Boards,
Handrails and Bell Apr. 46
Part 32 - Cab and Tank May 37
Part 33 - Cab and Tank Jun. 32
Part 34 - Feed Water Piping Jul. 33
Part 35 - Painting and
Carrying Case Aug. 35
Part 36 - Operation and
Maintenance Sep. 27
Hobbs, R. V. (4-6-0) Apr. 56
Hof, Mr. (2-4-0) Mar. 63
(Locomotive) Nov. 41
Hofer, Phil May 55
Hollar, Joel Sep. 59
Hoopes, Phil Nov. 51
HORNSBY, E. ROBERT
IBLS Secretary's Report Apr. 62
IBLS Secretary's Report Nov. 55
Photo Nov. 55
HOROVITZ, MARC
Small Scale Steam Feb. 36, Mar. 45,
Apr. 39, May 10, Jun. 44, Jul. 44,
Aug. 41, Sep. 40, Oct. 45, Nov. 40,
Dec. 45
HOSFORD, PATRICK
Vancouver Island Model Engineers
Annual Steam Meet Jul. 56
HOUVENER, GORDON
A 3-Cylinder Steam
Power Package Dec. 18
How to Make a Quick Change Toolpost
Part I Feb. 15
Part II Mar. 20
Part III Apr. 24
Hubner, Tony and Dougal ("Meg") Jul. 56
Huck, Hi Jan. 57
Hughes, Art (4-8-2) Jun. 56
Huizenga, John (Shay) Aug. 59, Sep. 59
Hutchins, Mr.
(Clayton Steam Wagon) Oct. 53
Hutchinson, Tom Sep. 53

I

ILLINOIS LIVE STEAMERS Aug. 58
INLAND EMPIRE LIVE STEAMERS
1981 Summer Activities Jun. 52
INTERNATIONAL BROTHERHOOD
OF LIVE STEAMERS
Secretary's Report
DURKEE, DWIGHT Mar. 60

Secretary's Report continued
HORNSBY, E. ROBERT Apr. 62, Nov. 55
KERR, J. R. "JACK" May 62
LECOMTE, DONALD A. Feb. 53
VAN DORT, R. E. N. "ROB" Jan. 58, Mar. 61, Jun. 60, Oct. 60

J

JACKSONVILLE LIVE STEAMERS Oct. 52
New Officers May 58
Jacques, Phil Mar. 54, 55
Jensen, Bob (4-4-2) Jan. 57
Photo Jan. 57
Johnson, Lt. Col. Maurice L. Nov. 39
Johnson, Oliver Nov. 50, 51
Johnson, Seymour Mar. 58
Johnston, Roy (4-8-4) May 56
JONES, DAVID
(Restoring a Steam Locomotive–College Style Dec. 10
JONES, GLENN
Omaha Area Live Steamers Jun. 54
(4-4-0) Jun. 55
JOSHUA TREE AND SOUTHERN RAILROAD CLUB
Closes Balloon Loop Jun. 59

K

Kaizer, Bill (Case) Jul. 60
Kane, Tom *(Beaver)* Mar. 27
Kedron Valley Belt Line No. 126 Jul. 10
KEIM, JOHN
Northeastern Ohio Live Steamers
1981 Spring Meet May 56
(4-6-2) May 57
Keim, (John's son) May 57
Keithley, Joe Jan. 57, Sep. 56
KERR, J. R. "JACK"
IBLS Secretary's Report May 62
KIESEL, FRED
The Concept of Ratio Jul. 30
The Larger Gauges Jun. 57, Sep. 61, Dec. 39
KING, GEORGE III
The Coast Guard's Live Steam Picnic Aug. 46
Kinsella, Barry (0-4-0 "Tich") Mar. 54
Klass, Kevin (0-6-0 Switcher) Sep. 55
Knight, Leon R. Nov. 55
Knight, Linwood (4-4-2) Nov. 55
Knupfer, Mr. (0-8-0) Oct. 62
Kokensparger, Cindy Jan. 57
Kokensparger, Don Jan. 57
Kombrink, Larry (4-wheel Vertical Boiler Engine) May 61
KOUHOUPT, RUDY
Rotary Engines Oct. 50
Kozak, Jesse May 54
Krug, Delores May 55
Krug, Rudy (4-6-2) Jun. 54
Photo May 54
Kruse, Jack Jan. 57
Krutzke, Frank (Maerklin) Oct. 46

L

Lady Helen Aug. 22
LANTERN
Pressure Gauge Jan. 60
Larger Gauges, The
(See: KIESEL, FRED)
Larkin, D. J. (Henry Greenly) Dec. 51
Larrington, Mr. (Foden) Oct. 53
Lathe Cutoff Tool Apr. 23
LAUTARD, GUY
Filling and Painting Castings Oct. 41
How to Make a Quick Change Toolpost
Part I Feb. 15
Part II Mar. 20
Part III Apr. 24
Leas, Rich (0-6-0) Jul. 55
Lebeck, Ed Mar. 58, May 55
LECOMTE, DONALD A.
IBLS Secretary's Report Feb. 53
Lee, Nancy Jan. 57
LEHMAN, JOE
Shop Talk Jul. 63
Leiber, William C. (0-4-0) Mar. 45
LENAHAN, JIM
Manitou Mountain Railroading Oct. 30
Leslie, Don Sep. 59
LEUCK, ROBERT
Box End Allen Wrenches Feb. 35
LEYDE, DAN
A Hair-raising Tale Apr. 29
Leyde, Ralph Apr. 29
Liberty Ship
(See: SWEENEY, JAMES J.)
LIND, LEON P.
Belts and Cleats
A Day at the Fair
Part I Jan. 40
Part II Feb. 30
Part III Mar. 30
Governors
Part I Jul. 48
Part II Aug. 44
Part III Sep. 44
Part IV Nov. 46
Part V Dec. 42
The Minneapolis Compound Apr. 36
A Minneapolis Model Builder May 26
The Return Flue Boiler Jun. 48
Lind, Ruby Feb. 34
Lindsay, L. ("Caledonia" 0-6-0) Oct. 46
LINKS
Liberty Ship Jan. 47
Little Helpful Hint, A Nov. 24
Little, Oakley (American) Aug. 59
Live Steam Comes to Traverse City Sep. 10
Llewellyn, Bob (Mogul Standard) Dec. 50
Locomotive Elevator Jun. 16
LOCOMOTIVE OPERATORS OF CENTRAL OKLAHOMA
New Name May 58
Locomotive Turret Oct. 20
LOMBARD, GERRY
Building the Weaver Launch Engine Jun. 10, Jul. 16, Aug. 24
LOS ANGELES LIVE STEAMERS
Handicapped Run Tops Off Year Jun. 59
Luzier, Mr. Jan. 59
Lyons, Chuck (Case) Feb. 30, 31, Jan. 43

M

Maas, Eddie (Interurban) Jun. 27
Machine Work as a Hobby Feb. 26
MACHINING
Ball Cutting Tool (Shop Talk) Jul. 63
Box End Allen Wrenches Feb. 35
Counterbores Apr. 44
A Few Tips on Knurling Jul. 32
Homemade Countersinks Aug. 48
Homemade Drills Nov. 34
Homemade Milling Cutters Dec. 47
How to Make a Quick Change Toolpost Feb. 15, Mar. 20, Apr. 24
Lathe Cutoff Tool Apr. 23
Lathe Tools (Machine Work as a Hobby) Feb. 26
Poor Boy's Boring Head Oct. 38
Reamers (Beginners Column) Mar. 28
Replacing Broken Gear Teeth (Beginners Column) Feb. 20
Rivet and Screw Cutters Jun. 30
Sheet Metal Drills Oct. 49
Sintered Carbide Tools in the Small Shop Nov. 21
Majerczyk, Dale Sep. 11
MANITOU MOUNTAIN LIVE STEAMERS
First Run Day Jan. 57
Manitou Mountain Railroading Oct. 30
MANN, ROBERT
Jacksonville Live Steamers Fall Mini-Meet Oct. 52
MARICOPA LIVE STEAMERS
Moving and Expanding Jan. 56
MARINE STEAM ENGINES
Building the Weaver Launch Engine Jun. 10, Jul. 16, Aug. 24
A 3-Cylinder Steam Power Package, Part I Dec. 18
A Treasure from England Feb. 10
Marine Suppliers and Services Mar. 24
Markwick, David (Electric) Jan. 58
Markwick, Mr. (0-6-0) Jan. 58
Marsden, Mr. (Burrell "Thetford Town") Oct 53
MARSHALL, DON
Kedron Valley Belt Line No. 126 Jul. 10
(1909) Mallet Compound Jul. 60
("Skookum") (2-4-4-2) Apr. 59
Photo Nov. 16
Marshall, Henry (GP-7) Jan. 55
Martin, Dan (*Mosquito*) Mar. 26
Matthews, Eric (0-4-0) Nov. 43
Maupin, Joe ("Tich") Feb. 48
MAYNARD, ROBERT W.
Cincinnati Cinder Sniffers Feb. 48
McCarthy, Pat Jan. 27
McClary, Bruce (2-6-0) Feb. 49, Sep. 60
McConnell, Ed (0-4-0) Apr. 59
McCORMAC, DON
Railroad Cars Dec. 30
McCready, Bill (2-8-0) Jun. 27
(Williamette Donkey) Jun. 28
McGrath, Ronald (2-8-2) May 12
McJannett, Ted Jul. 53
McKenzie, Charlie (Hudson) Jun. 58
McLEAN, FRANK A.
Beginners Column
Counterbores Apr. 44
A Few Tips on Knurling Jul. 32
Homemade Countersinks Aug. 48
Homemade Drills Nov. 34
Homemade Milling Cutters Dec. 47
Reamers Mar. 28
Replacing Broken Gear Teeth Feb. 20
Rivet and Screw Cutters Jun. 30
Sheet Metal Drills Oct. 49
A Vise for Your Power Hacksaw Jan. 32
Photo Mar. 54
Mechanical Lubricator Sep. 18
Merrell, Sam (4-4-0) Jun. 26
Mettlen, Randy May 55
MIDWAY USA LIVE STEAMERS
Annual Meet May 54

Miller, Don (Shay) Oct. 54
Miller, Wiley May 55
Mini Shop for a Baby Lathe, A Sep. 38
Morris, Gordon (C&O Geep) Sep. 60
Morris, Tom Sep. 60
Morrison, Andy Mar. 57
Mountain Railroading in 15" Gauge May 41
Müller, Mr. (2-6-2 Tank) Mar. 63
Murray, Fred ("CliShay") May 57
Murray, John May 57
Must be the Doble Jan. 10
Mutchler, Charles Jun. 52
Muzzarelli, Larry Sep. 11
Myers, Nathan (Shay) Jan. 55

N

Nayrolles, Mr. Jan. 59
New Clubs
Alberta Model Engineering Society Jun. 58
Prairie State Railroad (DeKalb, Illinois Area) Oct. 57
Richmond, Virginia Area May 58
Utah (Salt Lake City Area) Dec. 54
New Officers
Great Lakes Feb. 50
Jacksonville May 58
New South Wales May 58
Northeastern Ohio Feb. 50
Northern Virginia Aug. 64
Northwestern Ohio Mar. 59
Peterborough Jul. 62
Riverside Feb. 50
Sacramento Valley Mar. 59
Southern California May 58
Nixon, Peter (Burrell) Apr. 56
Nolda, Herb Jun. 55
NORTHEASTERN OHIO LIVE STEAMERS
1981 Spring Meet May 56
New Officers Feb. 50
Northwest Steam Society's 1981 Oak Harbor Meet Mar. 25
NORTHWESTERN OHIO LIVE STEAMERS
New Officers Mar. 59

O

Oil Firing a Miniature Locomotive in 1½" Scale Jan. 30
OIL PIPING
Build a ¾" Scale Heisler Mar. 34
Oldsberg, John Jan. 57
OLSON, IRVING J.
The International Language of Live Steam Jan. 44
Photo Jan. 45
Olson, Mrs. Ruth Jan. 44
OMAHA AREA LIVE STEAMERS
1981 Meet Jun. 54
Open Column with Reverse Mar. 16
Orth, Phill Sep. 11
Orton, Mick ("Moon Rocket") Oct. 54
Oscillating-Cylinder Engine Nov. 10
OTTAWA VALLEY LIVE STEAMERS AND MODEL ENGINEERS
Exhibition at Cumberland, Ontario Mar. 54
Ottinger, Malcolm (Obituary) Feb. 51

P

PACIFIC NORTHWEST LIVE STEAMERS
Paddock, Chuck (Shay) Oct. 47
PAINTING
Build a ¾" Scale Heisler Aug. 35
The Porter Mogul May 43
Palmer, Larry (4-6-0) May 57
Photo Aug. 59
Palmer, Robert Jun. 59
PAPER MILL ENGINE
Belts and Cleats Jan. 40
Papp, George ("Virginia") Sep. 59
PAQUES, J. J.
(4-4-0 Aster Schools Class) Aug. 42
(Schools Class) Feb. 36, 37, 39
Technical Specifications for Propane Heating Jul. 22
Parks, John Jan. 57
Parks, John Jr. Jan. 57
Patton, Mike Nov. 51
PATTON, THOMAS P.
Tri State Locomotive Club Annual Fall Meet Sep. 59
Photo ("CliShay") Aug. 59, Sep. 58, 60
Payne, Ralph (Mogul) Feb. 48
Peabody, Charlie (0-6-0 Switcher) Jun. 27
Pearson, Mr. (2-6-0) Oct. 54
Penfold, Mr. (GWR Tank) Mar. 63
Pepper, Bill Nov. 50
Pepper, Rob Nov. 50, 51
PETERBOROUGH LIVE STEAMERS
New Officers Jul. 62
Peterson, Todd (2-6-0) Jun. 59
Pettigrew, Mattie Nov. 55
Phillips, Clyde (2-4-2) Jun. 28
Pilcher, Barry (Fowler) Feb. 53
Pingley, Connie Jan. 57
PIONEER VALLEY LIVE STEAMERS
Exhibit at Amherst Railway Society Show Jul. 60
Successful '81 Mar. 59
Poor Boy's Boring Head, The Oct. 38
POST, DANIEL G.
Sea Grape May 16
Photos (other) Jan. 54, Dec. 52
Pounder, Cecil (Minneapolis) Jan. 42
Powers, Barney (*Firefly*) Nov. 52
Pressure Gauge
(See: VAN DORT, R. E. N. "ROB")
Priest, Dick (3" Atlantic) Mar. 56, 58
PROPANE FIRING
Technical Specifications for Propane Heating Jul. 22
Pugh, John (NYC Hudson) Sep. 58, 60
Photo Nov. 50
Pulaski, Harry (Obituary) May 60
PUMPS
Turbine and Centrifugal Pump Jan. 22

Q

Quirk, Harry (Coach, Storage Van) May 12

R

Rabe, Marsh (BN SD-35) Aug. 60
Ragdale, Bruce (Allchin) Oct. 54
Railroad Cars Dec. 30
Railroading Around Austria Aug. 50
Railway Project by Midlands Railway Centre Aug. 52
Rainey, Hughie (2-4-2) Feb. 55
RATCLIFFE, H. E.
Ottawa Valley Live Steamers and Model Engineers Mar. 54
Ratliff, Allan Jun. 59
Ratliff, Gregory Jun. 59
Ratliff, Lynn Jun. 59
Rayer, Randy ("Chloe") May 55
Recic, Bob and Lynn (2-6-0) Jun. 55
Restoring a Steam Locomotive – College Style Dec. 10
Reynolds, Al Aug. 56
Reynolds, Bud Aug. 56
RHODES, TOM (CAPTAIN)
The Steam Launch Tuscarora
Part I Aug. 10
Part II Aug. 14
Part III Sep. 14
Part IV Oct. 24
Part V Nov. 36
Part VI Dec. 27
RICE, JOE
Florida Live Steamers and Railroaders Winter Meet Nov. 52
From the Editor's Desk Jan. 4, Apr. 4, Jul. 6, Aug. 4, Sep. 4, Oct. 6, Dec. 6
Goleta Valley Railroad Club 25th Anniversary Run Mar. 56
Live Steam Comes to Traverse City Sep. 10
Photo Mar. 58
Richards, Ralph (2-6-0) Jan. 55
Richardson, Dick (Obituary) May 60
RIVERSIDE LIVE STEAMERS
New Officers Feb. 50
Rizzoli, Richard Sep. 57
ROAD WAGONS
England's Overtype Steam Road Wagons Feb. 46
Roberts, Peter Jul. 57
ROLLINSON, DAVID C.
The Engine House Oct. 28, Nov. 30, Dec. 43
Ross, Ian (0-4-0) Mar. 54, 55
Rotary Engines Oct. 50
Rotating Piston Steam Engine Jun. 42
ROTORUA SOCIETY OF MODEL ENGINEERS
International Steam Rally Jul. 58
Roy, Bob (4-4-0) Jun. 56
Ruck, Mr. (2-4-2) Oct. 62
RUNNING BOARDS
Build a ¾" Scale Heisler Apr. 46
Rutter, Bernie June 56

S

S. L. Calliope, The Oct. 10
SACRAMENTO VALLEY LIVE STEAMERS
New Officers Mar. 59
Sandin, George (Obituary) May 60
Santin, George (4-4-2) May 56
SARLIN, DAVID
Must be the Doble Jan. 10
Steam Power Club News
The Disney Calliope May 25
Idaho Steam Car Meet Oct. 34
Large Engine Manufacturer Hard at Work Mar. 42
Sattler, Bob and Viv (Atlantic) Jul. 60
Schaffer, Stan (Atlantic) Jul. 55
Schmidt, Ed (Minneapolis) Jan. 43
Schofstal, Ed May 55
Schwilke, Arlen (Obituary) Jul. 61
Schwilke, Howard (4-wheel Switcher) Jun. 27
SCOTTI, PAUL
High Schooler's Energy Efficiency Research Mar. 51
Sea Grape May 16
Second Annual Antique Steam and Gas Show at the Georgia Agrirama, The Jan. 52

Seely, Chuck (Ten-Wheeler) Jul. 54
SENFT, J. R.
Another Use for Moriya Sep. 48
Shadwick, Brian ("Royal Scot") Jul. 56
Shatzer, Bill (Union Pacific F7 ABA) Mar. 56
Sheppard, Mr. (4-4-0) Oct. 54
Shield, Fred (2-6-0) Jun. 54
Shop Talk Mar. 66, Apr. 66, Jul. 63
Siebert, Gary Feb. 48
Sill, Mr. (Burrell) Oct. 54
Sintered Carbide Tools in the Small Shop Nov. 21
Slezinger, Joe Aug. 60
Small Scale Steam
(See: HOROVITZ, MARC)
Smith, Bill Jul. 57
Smith, Dave (2-6-0) Sep. 53
Smith, Francis H. (Obituary) May 60
Smith, Frank (SP Atlantic) Sep. 55
Smith, Jason Sep. 53
SMITH, MARK
Building A Live Steam Railroad Like They Used To Build Barns Nov. 16
Photo Nov. 16, 18
Smith, Nils Nov. 17
SMOKE BOX
Build a ¾" Scale Heisler Feb. 22
SMOKE BOX SADDLE
Build a ¾" Scale Heisler Jan. 35
SMOKESTACK
Build a ¾" Scale Heisler Jan. 35
SNYDER, DUKE
Central Ontario Association Live Steamers Jun. 56
Photo Jun. 56
Photo Jul. 53
SNYDER, MILES
(DM&IR Yellowstone) Aug. 60
Illinois Live Steamers Aug. 58
SOUTH COAST MODEL ENGINEERS CO-OP SOCIETY
New Officers May 58
SOUTHERN CALIFORNIA LIVE STEAMERS
New Officers May 58
Southworth, Bill (Class B Shay) Jul. 56
Spencer, Ed Jul. 53
Sperry, Chet (North Shore) Sep. 59
Stanton, Jack (0-4-0 "Chloe") Aug. 59
STATIONARY STEAM ENGINES
Another Use for Moriya Sep. 48
Beam Apr. 16
Belts and Cleats Jan. 40
The Engine House Oct. 28, Nov. 30, Dec. 43
Essex County Geriatric Center Power House May 20
High Schooler's Energy Efficiency Research... Mar. 51
The Minneapolis Compound Apr. 38
Open Column with Reverse Mar. 16
Oscillating Cylinder Engine Nov. 10
The Second Annual Steam and Gas Show Jan. 52
Steam Power Club News Mar. 42
Turbine and Centrifugal Pump Jan. 22
STEAM AUTOMOBILE
Must be the Doble Jan. 10
Idaho Steam Car Meet Oct. 34
Steam Automobile Club of America Aug. 56
STEAM BOATS
Beaver Mar. 27
Calliope Oct. 10-13
Cinderella Mar. 26
DoDo Mar. 26
Feeble II Mar. 27
Firefly Nov. 52
Ransom B. Fuller *Aug. 63*
Lady Helen Aug. 22
Leviathan Jan. 26, 28
Litha Mar. 26
Mosquito Mar. 26
My Way Jun. 20, 21
Polly Mar. 26
W. T. Preston Apr. 60
Sea Grape Nov. 52
Tuscarora Aug. 10, Sep. 14, Oct. 24, Nov. 36, Dec. 27
Tvaikonis Nov. 26
Venus Nov. 52
Victoria Oct. 58
Steam Launch Tuscarora, The Aug. 10, Sep. 14, Oct. 24, Nov. 36, Dec. 27
STEAM PIPING
Build a ¾" Scale Heisler Mar. 34
Steam Power Club News
(See: SARLIN, DAVID)
STEAM WAGON
England's Overtype Steam Road Wagons Feb. 46
Steamboat Wharf
(See: SWEENEY, JAMES J.)
Stibravy, John Jan. 57, Oct. 33
Steinmetz, Ted ("Elizabeth") Sep. 57
Stemen, Ken (4-4-0) Sep. 53
Stewart, Frank (Atlantic) Sep. 53
Stewart, Mary Sep. 53
Stites, Gary Jun. 59
Stites, Margaret Jun. 59
Stites, Morgan Jun. 59
Stocker, Tom ("Virginia") Nov. 42
Stone, George Sep. 10, 12
STOUFFER, WILLIAM
("Greenbrier") Jul. 54
West Penn Live Steamers 1981 Fall Meet Jul. 54
Sullivan, Gordon (*Feeble II*) Mar. 27
Sunter, Sam (0-6-0 "Peckett") Jul. 57
Swarbrooke, Chris Apr. 57
Sweeney, Beth Jan. 27, 28
SWEENEY, JAMES J.
Liberty Ship
Part 13 – Links, Eccentric Rods, and Straps Jan. 47
Part 14 – The Steam Distribution System Mar. 48
Facts & Recollections – Crews & Accommodations May 28
Steamboat Wharf
The Banana Boat Destroyers Dec. 36
Engineers, Artisans, and Tinkerers Feb. 42
Ground Tackle
Part I Oct. 42
Part II Nov. 44
High Performance Steam Launches
Part I Jul. 21
Part II Aug. 38
Part III Sep. 32
Marine Suppliers and Services Mar. 24
Northwest Steam Society's 1981 Oak Harbor Meet Mar. 25
Role of Commercial Steam Power Apr. 52
The Steam Launch *My Way* Jan 20
USSC *Leviathan*, 1981 Delta Meet Jan. 26
Photo Jan. 27
Sweeney, Jim (son) Jan. 27
Sweeney, Tom Jan. 27
Sweet, Arthur ("CliShay") Apr. 58
Swingler, Jess (Foster Showman's Tractor) Oct. 53

T

Taft, Bill Nov. 50
Taggert, John Jan. 57
TANK
Build a ¾" Scale Heisler May 37, Jun. 32
Taylor, Eric Apr. 57
Technical Specifications for Propane Heating Jul. 22
Tedder, Joel Jun. 59
Teeter, Stuart Nov. 38
TENDER
Big Lady Sep. 34
Tennstedt, Mr. ("Black V") Mar. 62
THOMAS, DICK
Group Locomotive Building Nov. 32
Photo (2-10-2) Sep. 54
Thomas, Len (0-6-2 "Mona") Jul. 56
Thompson, Chuck (*Cinderella*) Mar. 26
3-Cylinder Steam Power Package, A Dec. 18
THRESHERS
Cecil Pounder (Case Thresher) Jan. 42
Whitman County Steam Threshing Show **(Belts and Cleats)** Mar. 30
Thurgood, Hugh Mar. 55
Till, D. (4-6-2) Apr. 57
Till, Mrs. (0-4-0 "Tich;" 0-6-0 "Rob Roy") Apr. 57
Tillotson, Lee (Case) Feb. 32, 33, Jun. 52, 53
Todd, Jean and Ed (*Polly*) Mar. 26
TORONTO SOCIETY OF MODEL ENGINEERING
Toronto Begins Fiftieth Year Sep. 63
TRACK
Building a Live Steam Railroad Like They Used To Build Barns Nov. 16
Turnout Design Considerations Apr. 20
TRACTION ENGINES
Belts and Cleats Jan. 40, Feb. 30
The Coast Guard's Live Steam Picnic Aug. 46
England's Miniature Meet Grows Even Better Apr. 56
IBLS Secretary's Report Feb. 53
Inland Empire Live Steamers Jun. 52
A Minneapolis Model Builder May 26
The Second Annual Steam and Gas Show Jan. 53
TRAUB, CARL A.
Shop Talk Mar. 66
Treasure from England, A Feb. 10
TRI STATE LOCOMOTIVE CLUB
Annual Fall Meet Sep. 59
Tri State Notch Completed in Record Time! Nov. 50
Trounce, Peter (0-6-0) Jun. 56
TUCKER, RALPH
Shop Talk Apr. 66
(2-6-0) Aug. 59
TUGGLE, BILL
Golden Gate Live Steamers Fall Meet Sep. 54

TULSA LIVE STEAMERS
Busy Summer Apr. 60
Turbine and Centrifugal Pump Jan. 22
Turlington, Rex (Organ) Oct. 53
Turnout Design Considerations Apr. 20
Tuscarora Aug. 10, Sep. 14, Oct. 24, Nov. 36, Dec. 27
Tvaikonis Nov. 26
Tyler, Ken (Burrell) Oct. 53

U

Ugo, John Sep. 52
Ugo, Steve Sep. 53

V

Valve Gears Dec. 24
VANCOUVER ISLAND MODEL ENGINEERS
Annual Steam Meet Jul. 56
Van der Heiden, Mr.
(NG Tank Engine) Oct. 62
VAN DORT, R. E. N. "ROB"
Boiler Schematic Mar. 46, 47
(Gauge 5 Tank Engine) Oct. 60
Pressure Gauge Jan. 58, Mar. 61, Jun. 60, Oct. 60
Van Dort, Robert (son) Oct. 62
Van Luenen, Andrew ("CliShay") Jun. 53
Van Sickle, Julian (2-8-0) Jan. 54, Nov. 52
Van Stee, Dale (Plymouth Diesel) Sep. 59
Photo Sep. 58
Photo Nov. 50
Van Voast, Jim *(Venus)* Nov. 52
Van Wingen, Rudy (NG 2-6-0) Mar. 57
Photo Jun. 59
Varley, Tom
(Robey "Expree" Tractor) Feb. 47
VERBURG, ELMER
Beam Apr. 16
Open Column with Reverse Mar. 16
Oscillating-Cylinder Engine Nov. 10
Turbine and Centrifugal Pump Jan. 22
Verity, Vic Feb. 49
Vertrees, Ron (Mamod) Oct. 46
Villette, Jean (0-4-0 "Elda") Jan. 59
VINECOUR, EARL
What Money Can't Buy Sep. 24
VISES
A Vise for Your Power Hacksaw Jan. 32
VITKOVITS, STEPHEN JR.
Locomotive Elevator Jun. 16
Valve Gears Dec. 24
Volrath, K. May 55
VON GUMPERT, DR. ERICH
Big Lady Apr. 12, May 48, Jun. 22, Jul. 26, Aug. 32, Sep. 34, Oct. 14
VOPASEK, FRANK J.
The Essex County Geriatric Center Power House May 20

W

Warner, George
(North Shore Electric) Sep. 59
Photo Sep. 60
Webb, Bill (Obituary) Jul. 61
Weedmark, Gordon Mar. 55
WELLING, RICHARD
A Mini Shop for a Baby Lathe Sep. 38
(Schools Class) Feb. 37
(Shay) Feb. 37, 38
Photo Sep. 38
Wells, Sue Nov. 18
Wendelaar, Ralph (1903 Trolley) May 59
WEST PENN LIVE STEAMERS
1981 Fall Meet Jul. 54
Westphal, Mr. (0-4-0) Mar. 63
Wetz, John Aug. 56
What Money Can't Buy Sep. 24
Wheaton, Arnie and Marion
(Flat Car) Jul. 60
White, George Sep. 52
White, Peter Nov. 18
Whitman, Bill (Burrell) Nov. 54
Whymark, R. (Garrett) Apr. 57
Wiezell, Frank ("Weirdy") Oct. 61
Wiles, Gordon *(Victoria)* Oct. 58
WILKER, ERLYN
Golden Triangle Model Engineers Live Steamers' Show Jul. 52
(1913 Waterloo, Water Wagon, Hudson) Jul. 53
Wilker, Mrs. Erlyn Jul. 53
WILKES, PETER
Bedford's Miniature Rally Dec. 51
Britain's Premier Midland's Miniature Meet Attains Perfection Oct. 53
England's Miniature Meet Grows Even Better Apr. 56
England's Overtype Steam Road Wagons Feb. 46
Railway Project by Midlands Railway Centre Aug. 52
Williams, Ralph Sep. 58
Willis, Bud Jan. 53
Wolner, Terry (1918 Case) Jul. 53
Wood, Mr. (Burrell) Oct. 54
WOOD, REGINALD V.
A Firebox for the Briggs-Type Boiler Jul. 40
Woodings, Les (Burrell) Dec. 50
WORKSHOPS
A Mini Shop for a Baby Lathe Sep. 38

Y

Yoder, Edison (4-6-0) Jan. 54, 55, Nov. 52, 53
Yoder, Enos (2-4-2) Nov. 52
Young, Ted (2-6-0) Aug. 59
Yungling, Ed (SP Cab-Forward) Mar. 57